

7²⁸ On page 29, line 9, please insert --(amino acids 3-10 of Sequence Listing ID No. 13),-- after "PPPGIRGP".

On page 29, line 10, please insert --(Sequence Listing ID No. 121),-- after "PGIRGPPP".

7²⁹ On page 29, lines 14 and 22, please insert --(amino acids 4-11 of Sequence Listing ID No. 14),-- after "PPPGMRPP".

Please replace the Sequence Listing, pages 30-96, mailed September 9, 1993, with the enclosed Sequence Listing, pages 30-69, and renumber the remaining pages in the application to be consecutive.

In the claims

~~Sub 218~~
7³⁰ 1. (four times amended) A peptide forming a linear epitope for a human autoantibody selected from the group of peptides of less than forty amino acids, wherein the sequence of the epitope begins with the amino acid numbered from the amino terminus followed by the listed amino acid sequence consisting of
the Ro/SSA epitopes: 30, MNRLHRFL (Sequence Listing ID No. 37), 37, LCFGSEGGT (Sequence Listing ID No. 38), 38, CFGSEGGT (amino acids 2-9 of Sequence Listing ID No. 38), 41, SEGTTYIKEQ (Sequence Listing ID No. 39), 42, EGGTTYIKEQ (amino acids 2-11 of Sequence Listing ID No. 39), 44, GTYYIKEQ (amino acids 4-11 of Sequence Listing ID No. 39), 44, GTYYI (amino acids 4-8 of Sequence Listing ID No. 39), 76, EIKSFSQEGRT (Sequence Listing ID No. 40), 78, KSFSQEGR (amino acids 3-10 of

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Sequence Listing ID No. 40), 81, SQEGRTTKQ (Sequence Listing ID No. 41), 84,
GRTTKQEPM (Sequence Listing ID No. 42), 106, STKQAAFKAV (amino acids 2-11 of
Sequence Listing ID No. 43), 105, ISTKQAAFKAVS (Sequence Listing ID No. 43), 108,
KQAAFKAV (amino acids 4-11 of Sequence Listing ID No. 43), 111, AFKAVSEVC
(Sequence Listing ID No. 44), 126, FTFIQFKKDLKESMK (Sequence Listing ID No. 45),
130, QFKKDLKE (amino acids 5-12 of Sequence Listing ID No. 45), 138,
SMKCGMWGRA (Sequence Listing ID No. 46), 139, MKCGMWGRA (amino acids 2-10 of
Sequence Listing ID No. 46), 142, GMWGRALRKAIA (Sequence Listing ID No. 47), 145,
GRALRKAI (amino acids 4-11 of Sequence Listing ID No. 47), 165,
ALAVTKYKQRNGWSHKDLLRLSH (Sequence Listing ID No. 48), 169, TKYKQRNG
(amino acids 5-12 of Sequence Listing ID No. 48), 173, QRNGWSHK (amino acids 9-16 of
Sequence Listing ID No. 48), 182, LLRLSHLKPS (Sequence Listing ID No. 49), 184,
RLSHLKPS (amino acids 3-10 of Sequence Listing ID No. 49), 199, TKYITKGW (amino
acids [2-9] 3-10 of Sequence Listing ID No. 71), 202, ITKGWKEV (amino acids [5-12] 6-13
of Sequence Listing ID No. 71), 210, HELYKEKA (Sequence Listing ID No. 50), 212,
LYKEKALSV (Sequence Listing ID No. 51), 216, KALSVETEKLLKYL (Sequence Listing
ID No. 52), 222, TEKLLKYL (amino acids 7-14 of Sequence Listing ID No. 52), 224,
KLLKYLEA (Sequence Listing ID No. 53), 229, LEAVEKVKRTKDE (Sequence Listing ID
No. 54), 234, KVKRTKDE (amino acids 6-13 of Sequence Listing ID No. 54), 257,
HLLTNHLKSKEVWKALLQEMPL (Sequence Listing ID No. 55), 263, LKSKEVWK

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(amino acids 7-14 of Sequence Listing ID No. 55), 264, KSKEVWKA (amino acids 8-15 of Sequence Listing ID No. 55), 265, SKEVWK (amino acids 9-14 of Sequence Listing ID No. 55), 280 ALLRNLGKMTA (Sequence Listing ID No. 56), 283, RNLGKMT (amino acids 4-10 of Sequence Listing ID No. 56), 285, LGKMTANS (Sequence Listing ID No. 57), 308, LCNEKLLKKARIHPFHI (Sequence Listing ID No. 58), 313, LLKKARI (amino acids 6-12 of Sequence Listing ID No. 58), 315, KKARIHPF (amino acids 8-15 of Sequence Listing ID No. 58), 330, TYKTGHGLRGKLKWRPDE (Sequence Listing ID No. 59), 331, YKTGHGL (amino acids 2-8 of Sequence Listing ID No. 59), 352, ALDAAFYK (Sequence Listing ID No. 60), 355, AAFYKTFKTVEPTGKRFLLA (Sequence Listing ID No. 61), 379, ASMNQRVLGS (Sequence Listing ID No. 62), 365, EPTGKRFL (amino acids 11-18 of Sequence Listing ID No. 61), 398, AMCMVVTR (Sequence Listing ID No. 63), 414, AFSDDEMVP (Sequence Listing ID No. 64), 420, VPCPVTTD (Sequence Listing ID No. 65), 433, VLMAMSQI (Sequence Listing ID No. 66), 445, TDCSLPMI (Sequence Listing ID No. 67), 449, LPMIWAQKTNTPA (amino acids 3-15 of Sequence Listing ID No. 68), 472, TFAGGVHPAI (Sequence Listing ID No. 69), 472, TFAGGVHP (amino acids 1-8 of Sequence Listing ID No. 69), 481, IALREYRKKMDIPAKL (Sequence Listing ID No. 70), 484, REYRKKMD (amino acids 4-11 of Sequence Listing ID No. 70).

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12. (five times amended) A method for screening patients for autoantibodies to Ro/SSA comprising reacting a biological sample with a peptide forming a linear epitope selected from the group of peptides of less than forty amino acids, beginning with the amino

acid numbered from the amino terminus followed by the listed amino acid sequence
consisting of

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the Ro/SSA epitopes: 30, MNRLHRFL (Sequence Listing ID No. 37), 37,
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Listing ID No. 38), 41, SEGTTYIKEQ (Sequence Listing ID No. 39), 42, EGGTTYIKEQ
(amino acids 2-11 of Sequence Listing ID No. 39), 44, GTYYIKEQ (amino acids 4-11 of
Sequence Listing ID No. 39), 44, GTYYI (amino acids 4-8 of Sequence Listing ID No. 39),
76, EIKSFSQEGRT (Sequence Listing ID No. 40), 78, KSFSQEGR (amino acids 3-10 of
Sequence Listing ID No. 40), 81, SQEGRTTKQ (Sequence Listing ID No. 41), 84,
GRTTKQEPM (Sequence Listing ID No. 42), 106, STKQAAFKAV (amino acids 2-11 of
Sequence Listing ID No. 43), 105, ISTKQAAFKAVS (Sequence Listing ID No. 43), 108,
KQAAFKAV (amino acids 4-11 of Sequence Listing ID No. 43), 111, AFKAVSEVC
(Sequence Listing ID No. 44), 126, FTFIQFKKDLKESMK (Sequence Listing ID No. 45),
130, QFKKDLKE (amino acids 5-12 of Sequence Listing ID No. 45), 138,
SMKCGMWGRA (Sequence Listing ID No. 46), 139, MKCGMWGRA (amino acids 2-10 of
Sequence Listing ID No. 46), 142, GMWGRALRKAIA (Sequence Listing ID No. 47), 145,
GRALRKAI (amino acids 4-11 of Sequence Listing ID No. 47), 165,
ALAVTKYKQRNGWSHKDLLRLSH (Sequence Listing ID No. 48), 169, TKYKQRNG
(amino acids 5-12 of Sequence Listing ID No. 48), 173, QRNGWSHK (amino acids 9-16 of
Sequence Listing ID No. 48), 182, LLRLSHLKPSS (Sequence Listing ID No. 49), 184,

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RLSHLKPS (amino acids 3-10 of Sequence Listing ID No. 49), 199, TKYITKGW (amino acids [2-9] 3-10 of Sequence Listing ID No. 71), 202, ITKGWKEV (amino acids [5-12] 6-13 of Sequence Listing ID No. 71), 210, HELYKEKA (Sequence Listing ID No. 50), 212, LYKEKALSV (Sequence Listing ID No. 51), 216, KALSVETEKLLKYL (Sequence Listing ID No. 52), 222, TEKLLKYL (amino acids 7-14 of Sequence Listing ID No. 52), 224, KLLKYLEA (Sequence Listing ID No. 53), 229, LEAVEKVKRTKDE (Sequence Listing ID No. 54), 234, KVKRTKDE (amino acids 6-13 of Sequence Listing ID No. 54), 257, HLLTNHLKSKEVWKALLQEMPL (Sequence Listing ID No. 55), 263, LKSKEVWK (amino acids 7-14 of Sequence Listing ID No. 55), 264, KSKEVWKA (amino acids 8-15 of Sequence Listing ID No. 55), 265, SKEVWK (amino acids 9-14 of Sequence Listing ID No. 55), 280 ALLRNLGKMTA (Sequence Listing ID No. 56), 283, RNLGKMT (amino acids 4-10 of Sequence Listing ID No. 56), 285, LGKMTANS (Sequence Listing ID No. 57), 308, LCNEKLLKKARIHPFHI (Sequence Listing ID No. 58), 313, LLKKARI (amino acids 6-12 of Sequence Listing ID No. 58), 315, KKARIHPF (amino acids 8-15 of Sequence Listing ID No. 58), 330, TYKTGHGLRGKLKWRPDE (Sequence Listing ID No. 59), 331, YKTGHGL (amino acids 2-8 of Sequence Listing ID No. 59), 352, ALDAAFYK (Sequence Listing ID No. 60), 355, AAFYKTFKTVEPTGKRFLLA (Sequence Listing ID No. 61), 379, ASMNQRVLGS (Sequence Listing ID No. 62), 365, EPTGKRFL (amino acids 11-18 of Sequence Listing ID No. 61), 398, AMCMVVTR (Sequence Listing ID No. 63), 414, AFSDDEMVP (Sequence Listing ID No. 64), 420, VPCPVTTD (Sequence Listing ID No.